

## **ABSTRACT**

The invention herein relates to a kind of structure improving the control of gliding of a wheel which mainly consists in two left-right symmetrical shells and a fixed axle, of which, an internal side of both parts of the shell is a U-shaped hollow, with a groove running lengthways in its center. The fixed axle has the shape of a square rod, on surfaces of which are symmetrical oval cogs, which enables the shell to stick in the central empty space of the wheel after assembling the fixed axle with the two hollows of the shell; when the wheel is moving, the cogs of the fixed axle gliding along the grooves of the shell enables the left/right movements of the wheel thus increasing the flexibility.